

PRICE ADJUSTMENT WORKSHEET

North Dakota Department of Transportation, Construction Services

SFN 14388 (Rev. 09-2005)

Price Adjustment Work Sheet for:

A. Aggregate Gradation - Aggregate Base or Surface Course

B. Shale Content - Contractor Located Aggregate Sources

Project	Date
Class of Aggregate	Lot No.

A. AGGREGATE GRADATION (Use Applicable Sieves)

Gradation Range Limits

Sieve Size	3"	1 1/2"	1"	3/4"	1/2"	3/8"	4	8	16	30	200
Upper Limit											
Lower Limit											

Test No.

Actual Percent Passing of Each Sieve

	3"	1 1/2"	1"	3/4"	1/2"	3/8"	4	8	16	30	200
1											
2											
3											
Average % passing <small>Round to the nearest whole number, except on the #200 sieve</small>											
Deviation of average from gradation limits											
Sum of deviations = A	A =										

Percent deduction = 5 x $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$ = $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$ %

Gradation deduction:

$\frac{\text{Sum of deviations}}{\text{Upper Limit}} \times \text{Bid price} \times \frac{\text{Sum of deviations}}{\text{Upper Limit}} \% = \$ \frac{\text{Sum of deviations}}{\text{Upper Limit}}$

B. SHALE CONTENT

Allowable Shale Content $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$ (S₁)

Test No. 1 2 3

Shale content (round to nearest tenth) $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$ $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$ $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$

Average shale content = $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$ (S₂)

Deviation = S₂ - S₁ = $\frac{\text{Sum of deviations}}{\text{Upper Limit}}$ (D₁)

Percent deduction = $\frac{\text{Sum of deviations}}{\text{Upper Limit}} \div .2 = \frac{\text{Sum of deviations}}{\text{Upper Limit}}$ % (D₂)

Shale deduction:

$\frac{\text{Sum of deviations}}{\text{Upper Limit}} \times \text{Bid price} \times \frac{\text{Sum of deviations}}{\text{Upper Limit}} \% = \$ \frac{\text{Sum of deviations}}{\text{Upper Limit}}$ (Shale Deduct)

DISTRIBUTION: Project Engineer (original)
Contractor
District

Engineer - Inspector